

CURRENT STATUS OF CLAIMS WITH CLAIM AMENDMENTS

1. **(Previously presented)** A method of recovering a molecule that homes to a selected organ or tissue, comprising the steps of:
 - a. administering to a subject a library of diverse molecules, providing said library of molecules is not a nucleic acid library;
 - b. collecting a sample of the selected organ or tissue; and
 - c. recovering from said sample a molecule that homes to said selected organ or tissue by isolating said molecule from said sample.
2. **(Original)** The method of claim 1, wherein each of said diverse molecules is linked to a tag.
3. **(Original)** The method of claim 2, wherein said tag is a support.
- 4 and 5. **Cancelled.**
6. **(Previously presented)** The method of claim 1, wherein said selected organ or tissue is selected from the group consisting of brain and kidney.
7. **(Previously presented)** The method of claim 1, wherein said selected organ or tissue is a tumor.
8. **(Presently amended)** The method of claim 1, wherein said library of diverse molecules is a library of diverse peptides or **[and]** peptidomimetics.
9. **(Previously presented)** The method of claim 1, wherein said library of diverse molecules is a library of diverse peptides.

10. **(Previously presented)** A method of identifying a molecule that homes to a selected organ or tissue, comprising the steps of:
 - a. administering to a subject a library of diverse molecules, providing said library of molecules is not a nucleic acid library;
 - b. collecting a sample of the selected organ or tissue; and
 - c. identifying a molecule that homes to said selected organ or tissue.
11. **(Previously presented)** The method of claim 10, wherein each of said diverse molecules is linked to a tag.
12. **(Previously presented)** The method of claim 11, wherein said tag is a support.
13. **(Previously presented)** The method of claim 10, wherein said library is a phage display library.
14. **(Previously presented)** The method of claim 10, wherein said selected organ or tissue is selected from the group consisting of brain and kidney.
15. **(Previously presented)** The method of claim 10, wherein said selected organ or tissue is a tumor.
16. **(Presently amended)** The method of claim 10, wherein said library of diverse molecules is a library of diverse peptides or **[and]** peptidomimetics.
17. **(Previously presented)** The method of claim 10, wherein said library of diverse molecules is a library of diverse peptides.
18. **(New)** The method of claim 10, wherein step (c) comprises mass spectrometry.

Inventor: Ruoslahti and Pasqualini

Serial No.: 09/922,227

Filed: August 2, 2001

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19. (New) The method of claim 10, further comprising individually administering to a subject said identified molecule, wherein said identified molecule homes to said selected organ or tissue.